

What is claimed is:

1. An organic electro luminescent (EL) display device comprising:
a substrate composed of an array unit and a ground unit;
an organic luminescent unit in the array unit and having an organic emitting layer, a first electrode, and a second electrode;
a ground line in the ground unit and contacted to the second electrode of the organic luminescent unit; and
an insulating layer exposing a part of the ground line such that the second electrode is directly connected to the second electrode.
2. The organic EL display device of claim 1, wherein the first electrode is an anode electrode.
3. The organic EL display device of claim 1, wherein the second electrode is a cathode electrode.
4. The organic EL display device of claim 1, wherein the organic emitting layer is composed of an electron transport layer, an emitting layer, a hole transport layer, and a hole injection layer.

5. The organic EL display device of claim 1, wherein the insulating layer is formed of at least one of LiF and LiO₂.

6. The organic EL display device of claim 1, wherein the second electrode is contacted to the ground line through a ground contact hole formed at the ground line.

7. The organic EL display device of claim 1, further comprising a thin film transistor and a capacitor in the array unit.

8. The organic EL display device of claim 7, wherein the thin film transistor comprises:
an active layer including source/drain regions in which impurities are doped with high concentration and a channel region formed at a middle part thereof,
a gate electrode formed by forming a gate insulating layer on the channel region of the active layer; and
source and drain electrodes respectively connected to the source and drain regions.

9. A method for fabricating an organic EL display device comprising:
preparing a transparent substrate composed of an array unit and a ground unit;
forming a ground line in the ground unit;
forming an organic luminescent unit composed of, a first electrode, an organic emitting layer and a second electrode connected to the ground line.

10. The method of claim 9, further comprising forming a insulating layer by depositing LiF or LiO₂ between the organic emitting layer and the second electrode.

11. A method for fabricating an organic EL display device comprising:

- forming an insulating layer on an entire surface of the substrate;
- forming a thin film transistor (TFT) including an active layer, a gate electrode, and source/drain electrodes on the insulating layer;
- forming a storage capacitor including an interlayer, a storage lower electrode, and a power line, the storage lower electrode and the power line being formed on and under the interlayer, respectively;
- forming a ground line on the insulating layer;
- forming a passivation film which exposes a part of the drain electrode or the source electrode on the TFT and the storage capacitor;
- forming a first electrode of an organic luminescent device electrically connected to the drain electrode or the source electrode, and then forming a hole injection layer, a hole transport layer, an emitting layer, and an electron transport layer thereon;
- forming at least one of a LiF and LiO₂ layer on the electron transport layer without overlapping with the ground line; and

forming a second electrode over the at least one of a LiF and LiO₂ layer and an entire surface of the substrate such that the second electrode is directly connected to the ground line.

12. The method of claim 11, wherein the ground line is formed at the same time when the gate electrode is formed.

13. The method of claim 11, wherein the ground line is formed at the same time as the source/drain electrodes are formed.